

4. DEC 05 2002  
PATENT & TRADEMARK OFFICE  
U.S. C.G.

WEBB & ASSOCIATES 972 8 9470860

NO. 102 P. 2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

In re Application of: Irun R. COHEN et al.

Confirmation No.:

DEC 10 2002

Application No.: 10/032,482

Group Art Unit:

TECH CENTER 1600/2900

Filing Date:

Examiner:

For: IMMUNOGENIC COMPOSITIONS FOR  
INDUCTION OF ANTI-TUMOR ACTIVITY

Attorney Docket No.: 85189-700

POWER OF ATTORNEY BY ASSIGNEE  
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoint Allan A. Fanucci (Reg. No. 30,256) and Daniel J. Hulseberg (Reg. No. 36,554) of WINSTON & STRAWN (Customer No. 28765) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

Please direct all correspondence for this application to Customer No. 28765 to the attention of Allan A. Fanucci (telephone 212-294-3311, facsimile 212-294-4700).

An assignment of the entire interest in the above-identified subject application is attached hereto. The undersigned has reviewed this assignment and, to the best of his knowledge, title is in the assignee seeking to take action in this application and that he is empowered to act on its behalf.

ASSIGNEE: YEDA RESEARCH AND DEVELOPMENT CO., LTD.

Signature: Ruth

y

Date of Signature: 26 November 2002

Typed Name: Dr. Ruth Granoth

Yaacov Cohen

Position>Title: Chief Intellectual Property Officer

Vice President

Address: P.O. Box 95

Rehovot 76100

Israel



4. DEC. 2002 14:03 WEBB & ASSOCIATES 972 8 9470860

NO. 102 CP. 39



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 16, 2000

PTAS



BROWDY AND NEIMARK, P.L.L.C.  
SHERIDAN NEIMARK  
624 NINTH STREET, N.W.  
SUITE 300  
WASHINGTON, D.C. 2001-5303

JUN 26 2000

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BROWDY & NEIMARK

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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

TECH CENTER 1600/2900

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/23/2000

REEL/FRAME: 010701/0684  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:  
COHEN, IRUN

DOC DATE: 01/30/2000

ASSIGNEE:  
ROTTER, VARDA

DOC DATE: 02/06/2000

ASSIGNEE:  
WOLKOWICZ, ROLAND

DOC DATE: 01/24/2000

ASSIGNEE:  
RUIZ, PEDRO

DOC DATE: 01/18/2000

ASSIGNEE:  
EREZ-ALOM, NETA

DOC DATE: 02/06/2000

ASSIGNEE:  
HERKEL, JOHANNES

DOC DATE: 01/24/2000

4. DEC. 2002 14:04

WEBB & ASSOCIATES 972 8 9470860

NO. 102 P. 4

010701/0684 PAGE 2

ASSIGNEE:  
YEDA RESEARCH AND DEVELOPMENT CO.,  
LTD., AT THE WEIZMANN INSTITUTE  
OF SCIENCE  
P.O. BOX 95  
76100 REHOVOT, ISRAEL

SERIAL NUMBER: 09445602  
PATENT NUMBER:

FILING DATE: 03/23/2000  
ISSUE DATE:

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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NO. 102

DEC 10 2002

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## PATENTS ONLY

*Mr. K  
S. S. C. TO THE HON.  
Please*

## 1. Name of conveying party(ies)

1. Irun COHEN
2. Varda ROTTER
3. Roland WOLKOWICZ
4. Pedro RUIZ
5. Neta EREZ-ALOM
6. Johannes HERKEL

## Additional name(s) of conveying party(ies) attached?



101327299



OIPE JC89  
MAR 23 2003  
PATENT & TRADEMARK OFFICE

## 3. Nature of conveyance:

- Assignment       Change of Name  
 Security Agreement       Merger

 Other \_\_\_\_\_

Execution Date: 1. January 30, 2000; 2. February 6, 2000; 3. January 24, 2000; 5. February 6, 2000; 6. January 24, 2000

## 4. Application number(s) or patent number(s). If this document is being filed together with a new application, the execution date of the application is:

Date

## A. Patent Application No(s).

09/445,602

## B. Patent No(s).

## Additional numbers attached?

 Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

BROWDY AND NEIMARK, P.L.L.C.  
624 Ninth Street, N.W.  
Suite 800  
Washington, D.C. 20001-5303

6. Number of applications and patents involved:  
(1)7. Amount of fee enclosed or authorized to be charged:  
\$40.00

## 8. Check no. 25310 in the amount of \$40.00 is attached.

8000 INCONTEES 00000122-09445602

40.00 US

Do Not Use This Space

581

## 9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Sheridan Neimark (Reg. No. 20,520)

Name of Person Signing

Signature

3-23-00

Date

SN: wrd

Total number of pages including cover sheet [05]

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## ASSIGNMENT

(1-5) Insert Name(s) of Inventors

- (1) Irun COHEN (6) Johannes HERKEL  
 (2) Varda ROTTER  
 (3) Roland WOLKOWICZ  
 (4) Pedro RUIZ  
 (5) Neta EREZ-ALON

In consideration of the sum of ten dollars (\$10.00) and other good and valuable considerations paid to each of the undersigned, the receipt of which is hereby acknowledged, each of the undersigned agrees to assign, and hereby does assign, and set over to

(6) Insert Name of Assignee  
(7) Insert Address of Assignee

- (6) WEIZMANN RESEARCH AND DEVELOPMENT CO. LTD.  
 (7) at the Weizmann Institute of Science  
P.O. Box 95, 76100 Rehovot, Israel

(8) Insert Identification of Invention,  
such as Title, Case Number or  
Foreign Application Number

- (8) IMMUNOGENIC COMPOSITIONS FOR INDUCTION OF ANTI-TUMOR IMMUNITY

(hereinafter designated as the Assignee) the entire right, title and interest owned by the undersigned for the United States, its territories, dependencies and possessions, in the invention known as

(9) Insert Date of Signing  
of Application

- (9) on even date herewith

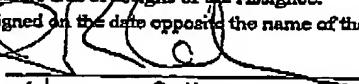
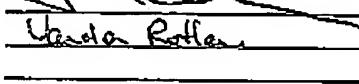
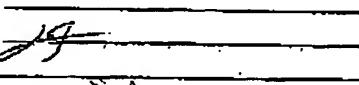
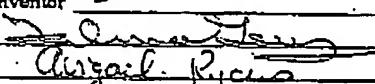
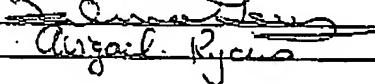
(10) Alternative Identification  
for Filed Applications

- (10) U.S. Application Number \_\_\_\_\_  
filed \_\_\_\_\_

and each of the undersigned also agrees to assign, and hereby does assign, transfer and set over to said assignee all applications for patent and any original and reissued Letters Patent of the United States granted for said invention and any divisions, reissues, continuations and extensions thereof and in and to any Letters Patent that may be granted thereon, including the subject matter of any and all claims which may be obtained in every such patent.

- 1) Each of the undersigned agrees to execute all papers in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.
- 2) Each of the undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each of the undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 4) Each of the undersigned agrees to communicate to the Assignee or representatives thereof any facts known to him or her respecting the invention and improvements thereof, and will, upon request, but without expense to him or her, testify in any legal proceedings regarding the invention.
- 5) Each of the undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.
- 6) Each of the undersigned hereby grants the firm of Browdy and Neimark the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.
- 7) This Assignment shall be binding upon the heirs, executors, administrators, and/or assigns of each of the undersigned, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns of the Assignee.

In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned,

- (1) Date 30 Jan 2002 Signature of Inventor   
 (2) Date 1 Feb 2002 Signature of Inventor   
 (3) Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
 (4) Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
 (5) Date 6 Feb 2002 Signature of Inventor   
 (6) Date \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
 Date 6 Feb 2002 Witness   
 Date 6 Feb 2002 Witness 

4. DEC. 2002 14:05  
24.JAN.2000 14:54

WEBB & ASSOCIATES 972 8 9470860  
YEDA RESEARCH AND DEVELOPMENT CO. LTD.

NO. 102 P. 7

## ASSIGNMENT

(6-9) *Exact Name(s) of Inventor(s)*

- (1) Irun COHEN (6) Johannes HERKEL  
(2) Verda ROTTER  
(3) Roland WOLKOWICZ  
(4) Pedro RUIZ  
(5) Neta FREZ-ALON

In consideration of the sum of ten dollars (\$10.00) and other good and valuable considerations paid to each of the undersigned, the receipt of which is hereby acknowledged, each of the undersigned agrees to assign, and hereby does assign, and set over to

(6) *Exact Name of Assignee*  
(7) *Exact Address of Assignee*

- (6) YEDA RESEARCH AND DEVELOPMENT CO. LTD.  
(7) at the Weizmann Institute of Science  
P.O. Box 95, 76100 Rehovot, Israel

(8) *Exact Identification of Invention,  
such as Title, Case Number or  
Foreign Application Number*  
(9) *Exact Date of Signing  
of Application*  
(10) *Alternative Identification  
for Filed Applications*

(hereinafter designated as the Assignee) the entire right, title and interest owned by the undersigned for the United States, its territories, dependencies and possessions, in the invention known as

- (8) IMMUNOGENIC COMPOSITIONS FOR INDUCTION OF ANTI-TUMOR IMMUNITY

for which the undersigned has executed an application for patent in the United States of America

- (9) on even date herewith

- (10) U.S. Application Number

Filed

and each of the undersigned also agrees to assign, and hereby does assign, transfer and set over to said assignee all applications for patent and any original and divisional Letters Patent of the United States granted for said invention and any divisions, continuations, continuations and extensions thereof and issued to any Letters Patent that may be granted thereon, including the subject matter of any and all claims which may be obtained in every such patent.

- 1) Each of the undersigned agrees to execute all papers in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.
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- 5) Each of the undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisional or continuing applications thereto to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.
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In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned.

(1) Date	_____	Signature of Inventor	_____
(2) Date	_____	Signature of Inventor	_____
(3) Date	_____	Signature of Inventor	_____
(4) Date	_____	Signature of Inventor	_____
(5) Date	_____	Signature of Inventor	_____
(6) Date	<u>X Jan 27, 2000</u>	<u>X</u> <u>Johannes Herkel</u>	<u>the 27</u>
→ Date	<u>Jan 24, 2000</u>	<u>C. Walde</u>	<u>(Walde)</u>
→ Date	<u>Jan 24, 2000</u>	<u>C. Walde</u>	<u>(Walde)</u>

4. DEC. 2002 14:05

WEBB &amp; ASSOCIATES 972 8 9470860

NO. 102 P. 8

24. JAN. 2000 11:40

YEDA R&amp;D CO. LTD. 972 8 9470739

00961 . 042

**ASSIGNMENT**

(1-5) Insert Name(s) of Inventor(s)

- (1) Ivan COHEN (6) Johannes HERKEL  
 (2) Varda ROTTER  
 (3) Roland WOLKOWICZ  
 (4) Pedro RUIZ  
 (5) Neta PEREZ-ALON

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(7) Insert Address of Assignee

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 (7) at the Weizmann Institute of Science  
P.O. Box 95, 76100 Rehovot, Israel

(hereinafter designated as the Assignee) the entire right, title and interest owned by the undersigned for the United States, its territories, dependencies and possessions, in the invention known as

- (8) IMMUNOGENIC COMPOSITIONS FOR INDUCTION OF ANTI-TUMOR IMMUNITY

for which the undersigned has executed an application for patent in the United States of America

- (9) on even date herewith

(6) Insert Identification of Invention,  
such as Title, Case Number or  
Foreign Application Number  
(9) Insert Date of Filing  
of Application  
(10) Alternative Identification  
for Filed Applications

- (10) U.S. Application Number  
filed

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6) Each of the undersigned hereby grants the firm of Browdy and Neimark the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

7) This Assignment shall be binding upon the heirs, executors, administrators, and/or assigns of each of the undersigned, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns of the Assignee.

In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned.

(1) Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_

(2) Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_

(3) Date X 1.24.00Signature of Inventor Roland Wolkowicz

(4) Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_

(5) Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_

(6) Date \_\_\_\_\_

Signature of Inventor \_\_\_\_\_

→ Date 1-24-00Witness RICHARD SMITH, Ph.D.→ Date 1-24-00Witness GARRY P. NOLAN, Ph.D.

4. DEC. 2002 14:05  
16. JAN. 2000 16:19

WEBB & ASSOCIATES 972 8 9470860  
YEDA R&D CO. LTD. 972 8 9470739

NO. 102 P. 9  
.00854 .0042

## ASSIGNMENT

(1) Inventor Name(s) & Signature

(1) Ivan COHEN (6) Johannes HERKEL  
(2) Varda ROTTER  
(3) Roland WOLKOWICZ  
(4) Pedro RUIZ  
(5) Neta FREZ ALON

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(7) Inventor Name of Assignee  
(8) Inventor Address of Assignee

(6) YEDA RESEARCH AND DEVELOPMENT CO. LTD.  
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(hereinafter designated as the Assignee) the entire right, title and interest owned by the undersigned for the United States, its territories, dependencies and possessions, in the invention known as

(9) Inventor Identification no. of Invention,  
such as Title, Cr. No. Number or  
Foreign Application No. Number  
(10) Inventor Date of filing  
of Application  
(11) Alternative Name (names)  
for Filed Application

(8) IMMUNOGENIC COMPOSITIONS FOR INDUCTION OF ANTI-TUMOR IMMUNITY

for which the undersigned has executed an application for patent in the United States of America

(9) on even date herewith

(10) U.S. Application Number

filed

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In witness whereof, executed by each of the undersigned on the date opposite the name of the undersigned.

(1) Date	____	Signature of Inventor
(2) Date	____	Signature of Inventor
(3) Date	____	Signature of Inventor
(4) Date	<u>X Jan. 18.00</u>	Signature of Inventor <u>X Phuji</u>
(5) Date	____	Signature of Inventor
(6) Date	____	Signature of Inventor
→ Date	<u>Jan 13 2000</u>	Witness <u>John P. Murphy</u>
→ Date	<u>1-18 2000</u>	Witness <u>Yael Goldstein</u>